

Machine Name : CNC Gantry machining Center

Brand : WELE

Machine Model : LB-432Z

Stock No. : 4813240

Ex-factory Date : 2016



Main Technical Parameters:

CNC System: FANUC 31i-MB

Three-axis travel: 4060 × 3200 × 1000 mm

Distance from spindle nose to worktable surface: 400-1400 mm

Distance between columns: 2700 mm

Worktable size: 4000 × 2400 mm

Maximum worktable load: 15,000 kg

Spindle motor power: 22/26 kW

Spindle speed: 10-6000 rpm

Spindle speed change method: Gearbox

Maximum spindle output torque: 740 Nm

Spindle taper: BBT50

Rapid feed rate for X/Y/Z axes: 15,000/15,000/15,000 mm/min

Cutting feed rate: 1-10,000 mm/min

X-axis ballscrew: $\phi 80 \times 25$ mm

Y-axis ballscrew: $\phi 63 \times 20$ mm

Z-axis ballscrew: $\phi 50 \times 10$ mm

X/Y/Z-axis feed motor power: 6/4/4 kW

Tool magazine capacity: 21 tools

Positioning accuracy along X/Y/Z axes: ± 0.015 mm over full length

Repeat positioning accuracy: ± 0.003 mm

Power supply: AC 220V $\pm 10\%$, three-phase, 50/60 Hz

Required power: 60 kVA

Air pressure requirement: ≥ 5 kg/cm²

Hydraulic tank capacity: 125 L

Coolant tank capacity: 850 L

Guideways: Japanese THK ultra-high-rigidity roller-retainer linear guideways

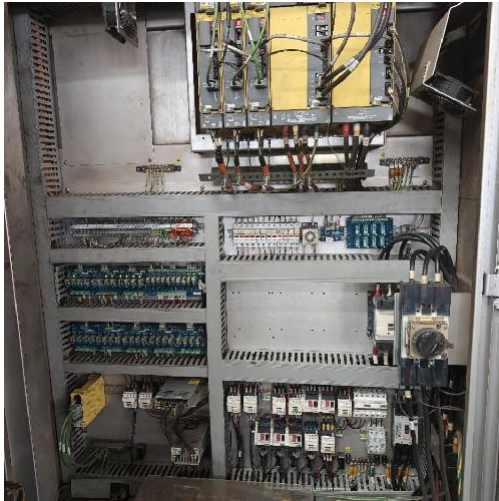
Guideway configuration: Three rails for the X-axis and two rails each for the Y/Z axes

Floor area (including operating area): 10,630 × 6,450 mm

Machine height: 4,550 mm

Machine net weight: Approximately 40,000 kg





C03	Ethernet interface (RJ-45) Ethernet 网络接口 (RJ45 接口)	Data Server 用于“加工程序传输”(非 DNC); 如使用 DNC 时, 通过机床接口 Data Server.
C04	RS-232C interface RS-232C 接口	For program transfer 用于“加工程序传输”(非 DNC); 使用。
C05	Memory socket 记忆卡接口	Location for operation panel, PC/MCIA interface. CompactFlash card not available (memory card optional request) 位于操作面板, PC/MCIA 接口, 可选 CF 记忆卡 (记忆卡非标配)
C06	USB interface USB 接口	Locate at the operator panel, USB interface 位于操作面板, USB 接口
C07	Program storage capacity 1280M (512KB) 程序容量 1280M (512KB)	Build-in storage capacity 内置容量
C08	Registered programs 程序容量 (个)	1280 个
C09	Backup program editing 备份编辑	
C10	Editable program edit 可编辑程序编辑	
C11	Manual guide Manual guide: 图形化修调指导 (图形显示), 可修调显示	Manual guide: 图形化修调指导 (图形显示), 可修调显示
C12	Controlled area 3 axes 控制范围: 3 轴	3 axes (can be extended to 4th axis function) 3 轴 (可选项: 4 轴控制功能)
C13	Search/insert controlled area 3 axes 搜索/插入: 3 轴	3 axes (can be extended to 4th axis function) 3 轴 (可选项: 4 轴控制功能)
C14	Increment system 增量/绝对坐标	0.001mm / 0.001mm / 0.001deg 0.001mm / 0.001mm / 0.001deg
C15	Motor/encoder conversion 电机/编码器转换	Q20, Q21 Q20, Q21
C16	Machine lock 机械锁	
C17	Emergency stop 紧急停止	
C18	Emergency stop 紧急停止	
C19	Emergency stop 紧急停止	
C20	Stroke limit check of workpiece 工件行程限位检测	
C21	Backlash compensation backlash 补偿	

1	Y 轴行程 (mm)	1500
2	Z 轴行程 (mm)	1000
3	工作台行程 (mm)	400-1400mm
4	工作台行程 (mm)	2700
5	工作台行程 (mm)	1000
6	工作台行程 (mm)	2200
7	工作台行程 (mm)	25 (250 x 200 mm) x 12
8	工作台行程 (mm)	1500
9	工作台行程 (mm)	1500
10	工作台行程 (mm)	1500
11	工作台行程 (mm)	1500
12	工作台行程 (mm)	1500
13	工作台行程 (mm)	1500
14	工作台行程 (mm)	1500
15	工作台行程 (mm)	1500
16	工作台行程 (mm)	1500
17	工作台行程 (mm)	1500
18	工作台行程 (mm)	1500
19	工作台行程 (mm)	1500
20	工作台行程 (mm)	1500
21	工作台行程 (mm)	1500
22	工作台行程 (mm)	1500
23	工作台行程 (mm)	1500
24	工作台行程 (mm)	1500
25	工作台行程 (mm)	1500
26	工作台行程 (mm)	1500
27	工作台行程 (mm)	1500
28	工作台行程 (mm)	1500
29	工作台行程 (mm)	1500
30	工作台行程 (mm)	1500
31	工作台行程 (mm)	1500